# PC Controlled Spectrophotometer LX100PCS

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## Description

PC Controlled Spectrophotometer LX100PCS made with PC controlled design without a display panel and keyboard that make the instrument working easier on a system. It has socket type deuterium and tungsten lamp. Contain large sample chamber that can hold up to 5-100mm of all kinds of cuvettes.

## Specifications

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| **Optical System** | Single Beam, Grating 1200 lines/mm |
| **Wavelength Range** | 190-1100 nm |
| **Spectral Bandwidth** | 2 nm |
| **Wavelength Accuracy** | ±0.1nm @ 656.1nm, ±0.3nm @ all |
| **Wavelength Repeatability** | ≤0.1nm |
| **Photometric Accuracy** | 0.2%T(0~100%T), ±0.002A(0-0.5A), ±0.004A(0.5-1A) |
| **Photometric Repeatability** | ≤0.15%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A) |
| **Photometric Range** | 0-200%T, -0.3~3A, 0-9999C (0-9999F) |
| **Stray Light** | ≤0.03%T@220nm, 360nm |
| **Stability** | ±0.0005A/h@500nm |
| **Baseline Flatness** | ±0.0002A |
| **Noise** | 0.0005A@500nm |
| **Work Mode** | T, A, C, E |
| **Scanning Speed** | Hi, Med, Low (Max. 3000nm/min) |
| **Wavelength Setting** | Auto |
| **Display** | No Screen |
| **Light Source** | Imported Deuterium & Tungsten lamp |
| **Detector** | Imported silicon photodiode |
| **Cuvette Holder** | 10mm manual 4-cell holder |

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|---|---|
| **Output** | USB |
| **Power** | AC 220V/50Hz or AC 110V/60Hz |
| **Package Size** | 810 × 660 × 390 mm |
| **Gross Weight** | 27 Kg |

## Features

- PC controlled design without display screen and keyboard
- Easy to operate on a computer
- Powerful functions like Photometric measurement, Quantitative measurement test, etc
- Socket type deuterium and tungsten lamp
- Vast sample chamber

## Applications

- Helps in Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi wavelength test, etc.

## Standard Accessories

- 10mm glass cuvette x 4
- 10mm quartz cuvette x 2
- Power cord
- User's Manual
- PC software

## Optional Accessories

- Auto 8-cell holder
- Film holder
- Peltier/sipper system
- 21 CFR compliant software
- Built-in thermal printer

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